

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 0980/65847-A	Serial No. 10/006,435
INFORMATION DISCLOSURE CITATION BY APPLICANT (Use several sheets if necessary)		Applicant Shih-Yuan Wang, et al.			
		Filing Date December 4, 2001	Group 3662		

U.S. PATENT DOCUMENTS

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	AA						
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							Yes	No
	AG							
	AH							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

WY	AI	Samsung Electronics, <i>GA40B3A 1550 nm Gain Clamped Semiconductor Optical Amplifier Module: Technical Data Sheet</i> , 10-page technical data sheet from Samsung Electronics Optoelectronics Division (August 2001), available on or before 12/3/2001 at http://samsungelectronics.com/fiberoptics/downloads/ga40b3a.pdf .
	AJ	Shibata et. al., "Semiconductor Monolithic Wavelength Selective Router Using Grating Switch with Directional Coupler," <i>Electronics Letters</i> , Vol. 31, No. 12 (June 8, 1995).
	AK	Verbeek, Bart H., "Semiconductor Optical Amplifiers: Basics and Applications," 64-page Booklet handed out at the International Semiconductor Laser Conference 2000, Short Course 3, Monterey, California (IEEE, Sept. 24-28, 2000).
	AL	Wiedmann et. al., "Singlemode Operation Of Deeply Etched Coupled Cavity Laser With DBR Facet," <i>Electronics Letters</i> , Vol. 36, No. 14 (July 6, 2000).
	AM	Zhang, B. et. al., "High speed InGaAsP/InP selective proton bombarded buried crescent lasers with optical field attenuation regions," <i>Electronics Letters</i> , Vol. 34, No. 1 (January 8, 1998).
WY	AN	October 01, 2001, Previous News Analysis, "Kamelian to Upstage Genoa"? Amsterdam - ECOC 2001 [European Conference on Optical Communication which takes place in Amsterdam from 30th September to 4th October 2001].

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Examiner Initial		Document Number							Date	Name	Class	Subclass	Filing Date if Appropriate
9M9J	AA	4	7	4	2	3	0	7	05/03/88	Thylén	—	—	
	AB	4	7	5	1	7	1	9	06/14/88	Mito et al.	—	—	
	AC	4	9	3	9	4	7	4	07/03/90	Eisenstein et al.	—	—	
	AD	4	9	4	7	4	0	1	08/07/90	Hinata et al.	—	—	
	AE	5	1	8	4	2	4	7	02/02/93	Schimpe	—	—	
	AF	5	2	9	1	3	2	8	03/01/94	Devlin et al.	RECEIVED		
	AG	5	4	3	6	7	5	9	07/25/95	Dijaili et al.	—	—	APR 23 2002
	AH	5	6	0	4	6	2	8	02/18/97	Parker et al.	—	—	
	AI	5	6	5	4	8	2	2	08/05/97	Ducellier et al.	GROUP 3600		
	AJ	5	6	7	3	1	4	1	09/30/97	Gambini	—	—	
9M9J	AK	5	7	9	3	5	2	1	08/11/98	O'Brien et al.	—	—	

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		AL	0	8	5	1	5	4		EPO	—	—	Yes	No
9M9J	AM	0	8	9	9	8	3	8	03/03/99	EPO	—	—		
	AN	1	0	8	5	6	2	5	03/21/01	EPO	—	—		
9M9J	AO	wo	01	2	8	0	4	9	04/19/01	PCT	—	—		

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9M9J	AP	Agrawal and Dutta, <i>Semiconductor Lasers</i> , 2nd ed., Kluwer Academic Publishers (1993) at Chapter 5.
	AQ	Bachmann, M., Doussiere, P., Emery, J., N'Go, R., Pommereau, F., Goldstein, L., Soulage, G., Jourdan, A., "Polarisation-insensitive clamped-gain SOA with integrated spot-size convertor and DBR gratings for WDM applications at 1.55 im wavelength," <i>Electronics Letters</i> , Vol. 32, No. 22 (October 24, 1996).
9M9J	AR	Bernard, J., and Renaud, M., "Tutorial: Semiconductor Optical Amplifiers," <i>SPIE's OE Magazine</i> , September 2001, pp. 36-38.

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WYJ	AA	6	2	4	9	5	3	6	06/19/01	Farries et al.	—	—
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WYJ	AP	Bordonalli, "High-Performance Phase Locking of Wide Linewidth Semiconductor Lasers by Combined Use of Optical Injection Locking and Optical Phase-Lock Loop," J. Lightwave Tech. Vol. 17, No. 2, pp. 328-342 (February 1999).
1	AQ	Charles, P., "On-Wafer Facet Processing for Low Cost Optoelectronic Components," Electronics Letters, Vol. 33, No. 16 (July 31, 1997).
WYJ	AR	Dollinger et. al., "Ultrashort-Low-Loss Optical Multiquantum-well GaAs/GaAlAs Vertical Directional Coupler Switch," Electronics Letters, Vol. 32, No. 16 (August 1, 1995).

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QW90	AI	Doussiere, P., Jourdan, A., Soulage, G., Garabedian, P., Graver, C., Fillion, T., Derouin, E., Leclerc, D., "Clamped gain traveling wave semiconductor optical amplifier for wavelength division multiplexing applications," Proceedings of IEEE 14th International Semiconductor Laser Conference (Cat. No.94CH3379-5), Maui, HI, USA, (September 19-23, 1994), pp. 185-186.
	AJ	Doussiere, P. et. al., "1.55 im Polarisation Independent Semiconductor Optical Amplifier with 25 dB Fiber to Fiber Gain," IEEE Photonics Technology Letters, Vol. 6, No. 2, pp. 170-172 (February 1994).
	AK	Duchet, C., et. al., "Polarisation insensitive modulator and influence of propagation direction on bulk electroabsorption," Electronics Letters, Vol. 33, No. 3, (January 30, 1997).
	AL	Francis, et. al., "A Single Chip Linear Optical Amplifier," IEEE Optical Fiber Communication Conference, Anaheim, CA (2001).
	AM	Francois et. al., "Horizontal Directional Coupler Filter Suitable for Integration in a 1.3+/1.3-Duplexer," Electronics Letters, Vol. 31, No. 23 (November 9, 1995).
QW90	AN	Garbuzov, D. et. al., "1.5 micrometers wavelength SCH-MQW InGaAsP/InP broadened waveguide laser diodes with low internal loss and high output power," Electronics Letters, Vol. 32, No. 18 (August 29, 1996).

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9n9d	AI	Hofling et. al., "Short-Cavity Edge-Emitting Lasers With Deeply Etched Distributed Bragg Mirrors," Electronics Letters, Vol. 35, No. 2 (January 21, 1999).
1	AJ	Hofstetter et al, "Ridge waveguide DBR laser with nonabsorbing grating and transparent integrated waveguide," Electronics Letters, Vol. 31, No. 12, 1995, p. 980.
1	AK	Ido, T. et. al., "Polarization and Wavelength Insensitive MQW Electroabsorption Optical Gates for WDM Switching Systems," IEEE Photonics Technology Letters, Vol. 8, No. 6, pp. 788-790 (June 1996).
1	AL	Ido, T. et. al., "Ultra-High-Speed Multiple-Quantum-Well Electro-Absorption Optical Modulators with Integrated Waveguides," Journal of Lightwave Technology, Vol. 14, No. 9, pp. 2026-2034 (September 1996).
9n9d	AM	Joannopoulos, "Molding the Flow of Light," M.I.T. 2001 Physics Annual (2001) at pp. 32-43.

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9M9J	AI	Kawano et. al., "4x4 InGaAlAs/InAlAs MQW Directional Coupler Waveguide Switch Modules Integrated with Spot-Size Converters and Their 10 Gb/s Operation," Electronics Letters, Vol. 31, No. 2 (January 19, 1995).
1	AJ	Kohtuku, M., et. al., "InP based 64 channel arrayed waveguide grating with 50 GHz channel spacing and up to -20dB crosstalk, Electronics Letters, Vol. 33, No. 21, (October 9, 1997).
	AK	Lam et. al., "Plasma immersion Ar+ ion implantation induced disorder in strained InGaAsP multiple quantum well," Electronics Letters, Vol. 34, No. 8, (April 16, 1998)
37.	AL	Liu et.al., "Optical Add/Drop Multiplexers Based on X-Crossing Vertical Coupler Filters," IEEE Photonics Technology Letters, Vol. 12, No. 4 (April 2000).
	AM	Liu, B., et. al., "Fused InP-GaAs vertical coupler filters," IEEE Photonics Technology Letters, Vol. 11, No. 1, (January 1999), pp. 93-95.
9M9J	AN	Loncar et. al., "Waveguiding in Planar Photonic Crystals," Applied Physics Letters Vol. 77, No. 13 (September 25, 2000) at pp. 1937-1939

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WJD	AI	Lullo et. al., "Fabrication of electroabsorption optical modulators using laser disordered GaInAs/GaInAsP multiquantum well structures," Electronics Letters, Vol. 30, No. 19, 1994, p.1623.					
	AJ	Matsumoto, S. et. al., "Highly reliable 1.55 micrometers GaInAsP laser diodes buried with semi-insulating iron-doped InP," Electronics Letters, Vol. 30, No. 16 (August 4, 1994), pp. 1305-1306.					
	AK	Morl, L., et. al., "Uncladded InGaAsP/InP rib waveguides with integrated thickness tapers for efficient fibre-chip butt coupling," Electronics Letters, Vol. 32, No.1 (January 4, 1996), pp. 36-38.					
	AL	Nakamura, T. et al., "High efficiency 0.5W/A at 85 degrees C strained multiquantum well lasers entirely grown by MOVPE on p-InP substrate", Electronics Letters, Vol. 34, No. 6 (March 19, 1998).					
	AM	Ortsiefer, M. et. al., "Room temperature operation of index guided 1.55 micrometers InP based vertical cavity surface emitting laser," Electronics Letters, Vol. 36, No. 5 (March 2, 2000).					
WJD	AN	Ougazzaden, A. et. al., "40 Gb/s Tandem Electro-Absorption Modulator," Optical Fiber Communication Conference and Exhibit, pp. PD14-1 to PD14-3, Optical Society of America, Anaheim, California (March 17-22, 2001).					
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